HYT

Professional Two Way Radio

TC-270/370

- MAX. 16 CHANNELS CAPACITY
- MIL-STD 810C/D/E & IP54
- 2 CHARACTER ALPHANUMERIC LCD & SWITCHABLE LCD DISPLAY
- BUILT-IN 2-TONE/DTMF DECODER AND ENCODER
- CTCSS / DCCSS
- WIDE / NARROW BANDWIDTH COMPATIBLE
- SCAN WITH PRIORITY
- PC PROGRAMMING
- ANI FUNCTION
- BUSY CHANNEL LOCKOUT
- TOT (Time Out Timer)
- VOX (Optional)
- BATTERY SAVE, LOW BATTERY ALERT, (TRANSMIT STATUS DETECT)

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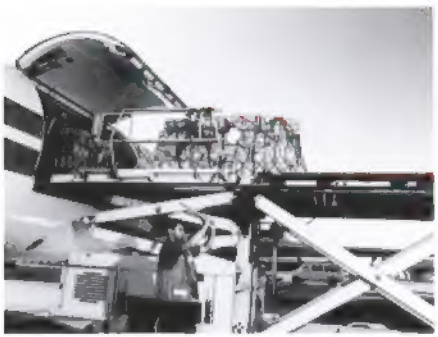
TC-270/370

Your Versatile & Professio



Main Function

MAX. 99 CHANNELS CAPACITY

MIL-STD-810C/D/E & Ip54

The TC-270/370 fully meets MIL-STD 810 C/D/E specs covering physical and temperature shock, vibration, low pressure, and solar radiation.

8-CHARACTER ALPHANUMERIC LCD DISPLAY

The 8-character display panel provides quick recognition of operating status and present settings with alphanumeric and icon characters. LCD display toggles among channel number, channel frequency and channel label. For enhanced nighttime viewing, pressing the back-light key illuminates the LCD display and keypad. And if no other keys are operated, backlighting shuts offs automatically.

BUILT-IN 2-TONE/DTMF DECODER AND ENCODER

The decoder and encoder functions offer a 2-tone/DTMF paging code assignable to any channel. An incoming message is signaled with audible and visible alerts.

CTCSS / CDCSS

Built-in CTCSS/ CDCSS help to segregate talk groups so users only hear traffic from other co-groups users in their own group. This helps to reduce confusion and keeps the lines of communication clear.

WIDE / NARROW BANDWIDTH COMPATIBLE

The TC-270/370 can be programmed for 12.5 / 25KHZ bandwidth operation per channel to accommodate all channel allocations now and in the future.

SCAN WITH PRIORITY

Channel scanning provides users with an easy way to monitor multiple channels for activity. Priority scan sequence and while receiving a call on another non-priority channel.

ıAL COMMUNICATION EXPERT

PC PROGRANNING
Radio parameter programming and turning can be accomplished via the accessory connector from a PC-compatible computer without ever having to open the radio to save both time and expense (requires optional programming cable & software.)

ANI FUNCTION
Two types of ANI-PTT ID (per channel) and DIAL ID-send connect and disconnect ID information.

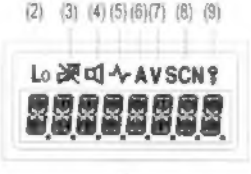
BUSY CAHNNEL LOCKOUT
Lockout further improves channel management by preventing transmission of another talk group is already on the air.

TOT - (Time Out Timer)
Limits the amount of time a user can continuously transmit on a channel. This allows for more efficient use of the channel.

WIDE CLONABLE
Radio-to-Radio copy can be achieved via a simple interface cable without the use of a PC or special equipments.

PROGRAMMABLE SOFT KEYS
[●], [○], [■] and [□] key can be programmed with the following auxiliary functions:

1. None;
2. SCN;
3. DIAL;
4. TA/RE;
5. LO;
6. Display Label;
7. Display Frequency;
8. Display Mode;
9. Channel Add/Delete;
10. Keypad Lock;
11. Selectable CTCSS;
12. Select Squelch Level.



BATTERY SAVE , LOW BATTERY ALERT - (TRANSMIT STATUS DETECT)
The radio will enable battery save feature in standby mode. Pressing any key or receiving a signal will restore the radio to normal operation. For extra convenience, the low battery indicator warns the user to recharge soon or get a fresh battery.

DIE-CAST CHASSIS
The aluminum die-cast chassis heat-sink is lightweight yet provides exceptional strength.

WEATHER RESISTANCE
The universal accessory connector and battery contacts use spring action contact with anti-corrasive properties while meeting MIL-STD 810C/D/E.

FREQUENCY REVERSE/TALK AROUND

Optional Accessories

Specifications

General	TC-270	TC-370
Frequency range	136~150MHz	400~420MHz
	148~174MHz	450~470MHz
Channel capacity	99	
Channel spacing	25KHz / 12.5KHz	
Power supply	7.5V/DC	
Dimension	58(W) x 135(H) x 36(D)mm	
Weight (Net)	≤ 200g without battery and antenna	
	≤ 400g with battery and antenna	

Transmitter	TC-270	TC-370
Carrier output power	5W /1W	4W/1W
Modulation	16K Φ F3E/11K Φ F3E	
Spurious and harmonics	≤-70dB / ≤-65dB	
FM noise (300-3000Hz)	< -45dB / < -40dB	
Audio distortion (300-3000Hz)	< 5%	
Frequency stability	±5ppm	
Max. frequency deviation	±5KHz / ±2.5KHz	

Receiver	TC-270	TC-370
Sensitivity(12dB SINAD)	0.2μV	0.22μV
Operating bandwidth	±7KHz / ±3.5KHz	
Adjacent channel selectivity	≥65 dB/≥55dB	≥60 dB/≥50dB
Intermodulation rejection	≥60dB	
Spurious response rejection	≥55dB	
Audio power output	500mW	
Audio distortion	≤5%	
Frequency stability	±5ppm	

- Above specification are tested according to TIA/EIA - 603
  Above specifications are subject to change without notice due to technology enhancement.

Applicable MIL-SPEC 810C/D/E

Standard	MIL 810 C Methods / Procedures	MIL 810 D Methods / Procedures	MIL 810 E Methods / Procedures
Low Pressure	500.1/ Procedure I	500.2/ Procedure I,II	500.3/ Procedure I,II
High Temperature	501.1/ Procedure I,II	501.2/ Procedure I,II	501.3/ Procedure I
Low Temperature	502.1/ Procedure I	502.2/ Procedure I,II	502.3/ Procedure I,II
Temperature Shock	503.1/ Procedure I	503.2/ Procedure I	503.3/ Procedure I
Solar Radiation	505.1/ Procedure I	505.2/ Procedure I	505.3/ Procedure I
Rain	506.1/ Procedure I,II	506.2/ Procedure I,II	506.3/ Procedure I,II
Humidity	507.1/ Procedure II	507.2/ Procedure II,III	507.3/ Procedure II,III
Salt Fog	509.1/ Procedure I	509.2/ Procedure I	509.3/ Procedure I
Dust	510.1/ Procedure I	510.2/ Procedure I	510.3/ Procedure I
Vibration	514.2/ Procedure VIII,X	514.3/ Procedure I	514.4/ Procedure I
Shock	516.2/ Procedure I,II,V	516.3/ Procedure I,IV	516.4/ Procedure I,IV

ISO9001:2000 *Certificate* NO:**FM** 61540

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